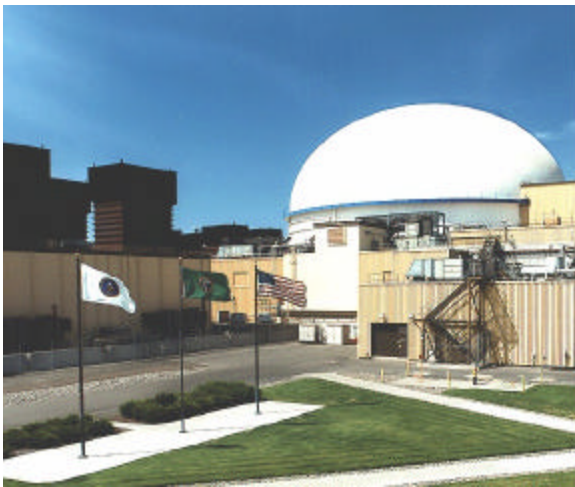


Fast Flux Test Facility Closure Project And Advanced Reactor Transition Program

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FFTF



Solid Waste Cask

*Nuclear Energy Legacies:
337 High Bay*



Plutonium Recycle Test Reactor:
309 Building

Overview

The mission of the Fast Flux Test Facility (FFTF) Closure Project, Project Baseline Summary (PBS) RL-CP04, is to deactivate and decommission the FFTF.

The Advanced Reactor Transition (ART) Program, PBS RL-RC03, consists of the Nuclear Energy (NE) Legacies and the 309 Building/Plutonium Recycle Test Reactor activities.

NOTE: Unless otherwise noted, all information contained herein is as of the end of August 2003.

NOTABLE ACCOMPLISHMENTS

FFTF Closure Project (PBS RL-CP04)

Fuel Offload: A significant accomplishment was made this month with the loading and delivery of an Interim Storage Cask (ISC) to the Plutonium Finishing Plant. Before fuel assemblies are loaded into the ISC, they are washed in the Sodium Removal System to remove sodium deposits, and then thoroughly dried. Each ISC holds seven fuel assemblies in dry, above-ground storage. Efforts to ship 7 more ISC's to PFP are ongoing.

A repair to the Bottom Loading Transfer Cask (BLTC), which is a crucial piece of equipment used in the Fuel Offload process, was completed. This repair was needed due to a failed roll pin securing a drive sprocket on the grapple drive system. It took over two weeks to accomplish the work, requiring many concentrated hours by the project staff.

Interim Heat Exchanger (IHX) Secondary Sodium Drain: The final stages of preparation to complete draining sodium from the secondary side of the three Main Heat Transport System IHX's were completed this month. The most significant accomplishment involved cutting the normal IHX piping and installing a dip tube extending to the bottom of the IHX while maintaining an inert atmosphere in all three IHX's.

Additional work involved removing insulation and heaters for the cut, reinstalling these components, and then re-heating the drain lines to assess operability. The actual drain of these IHX's is scheduled for early September.

ART Program (PBS RL-RC03)

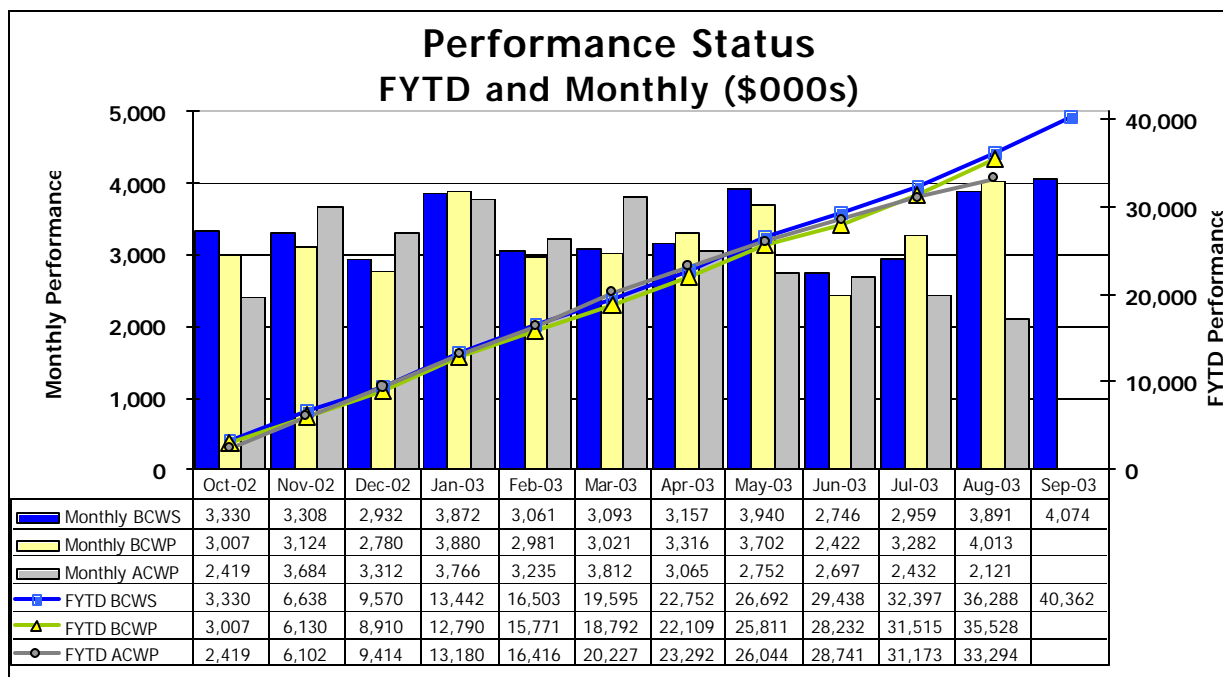
NE Legacies Deactivation: Cleaning of residual sodium from the 50,000 gallon 3718-M sodium storage tank was completed using a water-vapor nitrogen process followed by two water rinses.

FY 2003 SCHEDULE/COST PERFORMANCE (\$000)

| | Budgeted Cost of Work Scheduled | Budgeted Cost of Work Performed | Actual Cost of Work Performed | Schedule Variance \$ | Schedule Variance % | Cost Variance \$ | Cost Variance % | Budget At Completion |
|--|--|--|-------------------------------------|-------------------------|---------------------------|---------------------|--------------------|-------------------------|
| RL-CP04 FFTF Project | 34,442 | 33,649 | 31,990 | -794 | -2% | 1,659 | 5% | 38,151 |
| RL-RC03 Advanced Reactor Transition | 1,846 | 1,880 | 1,304 | 34 | 2% | 576 | 31% | 2,210 |
| Total ART and FFTF | 36,288 | 35,528 | 33,294 | -760 | -2% | 2,234 | 6% | 40,362 |

Schedule Performance (-\$760K): The schedule variance is within the established threshold.

Cost Variance Analysis (+\$2,234K): The favorable FFTF cost variance is due to underruns in labor, contracts, and materials. There was also an August variance distribution credit to cost of \$1,045K. The favorable ART cost variance is due to efficiencies in the NE Legacies sodium tank cleaning activities.



MILESTONE ACHIEVEMENT

| Number | Milestone Title | (TPA/DNSFB/PI) | Due Date | Actual Date | Forecast Date | Status/Comments |
|----------|--|----------------|----------|-------------|---------------|-----------------|
| PI-S3-4a | Secondary system sodium drain | PI | 5-31-03 | 4-16-03 | | Complete |
| PI-S3-4b | Fuel Offload - 81 assemblies | PI | 1-22-04 | | 1/22/04 | In progress |
| M-81-12 | Initiate FFTF sodium drain | TPA | 6-30-03 | 4-7-03 | | Complete |
| M-20-29B | Submit sodium storage facility and sodium reaction facility closure plan or request for procedural closure to Ecology as defined in Agreement section 6.3.3. | TPA | 6/30/03 | | | Complete |

FY 2003 FH FUNDS VS FORECAST (\$000)

| | Expected Funds | Spend Forecast | Variance |
|--|------------------|------------------|-----------------|
| RL-CP04 Fast Flux Test Facility | \$ 38,171 | \$ 36,066 | \$ 2,105 |
| RL-RC03 Advanced Reactor Transition | \$ 2,219 | \$ 1,544 | \$ 675 |
| Total | \$ 40,390 | \$ 37,610 | \$ 2,780 |